



SEQUENCE LISTING

<110> Fletchner, Jessica  
Prince-Cohane, Kenya  
Mehta, Sunil  
Slusarewicz, Paul  
Andjelic, Sofija  
Barber, Brian

<120> IMPROVED HEAT SHOCK PROTEIN-BASED VACCINES AND  
IMMUNOTHERAPIES

<130> 8449-405-999

<140> 10/776,521

<141> 2004-02-12

<150> 60/503,417

<151> 2003-09-16

<150> 60/463,746

<151> 2003-04-18

<150> 60/462,469

<151> 2003-04-11

<150> 60/447,142

<151> 2003-02-13

<160> 419

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 4

<212> PRT

<213> Malaria

<400> 1

Asn Ala Asn Pro

1

<210> 2

<211> 9

<212> PRT

<213> Unknown

<220>

<223> HLA-A2 peptide binding motif

<220>

<221> VARIANT

<222> 2

<223> Xaa = Leu or Met

<220>

<221> VARIANT

<222> 6

<223> Xaa = Val or Ile or Leu or Thr

```

<220>
<221> VARIANT
<222> 9
<223> Xaa = Val or Leu

<220>
<221> VARIANT
<222> 1,3 , 4, 5, 7, 8
<223> Xaa = any amino acid

<400> 2
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1               5

<210> 3
<211> 9
<212> PRT
<213> Unknown

<220>
<223> HLA-A2 peptide binding motif

<220>
<221> VARIANT
<222> 2
<223> Xaa = Leu or Met

<220>
<221> VARIANT
<222> 1, 3, 4, 5, 6, 7, 8
<223> Xaa = any amino acid

<400> 3
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
1               5

<210> 4
<211> 8
<212> PRT
<213> Unknown

<220>
<223> HLA-A2 peptide binding motif

<220>
<221> VARIANT
<222> 2
<223> Xaa = Val or Gln

<220>
<221> VARIANT
<222> 1, 3, 4, 5, 6, 7,
<223> Xaa = any amino acid

<400> 4
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu
1               5

```

<210> 5  
<211> 5  
<212> PRT  
<213> Unknown

<220>  
<223> HLA-DR peptide binding motif

<400> 5  
Gln Lys Arg Ala Ala  
1 5

<210> 6  
<211> 5  
<212> PRT  
<213> Unknown

<220>  
<223> HLA-DR peptide binding motif

<400> 6  
Arg Arg Arg Ala Ala  
1 5

<210> 7  
<211> 7  
<212> PRT  
<213> Unknown

<220>  
<223> motif in heptameric region recognized by heat  
shock protein

<220>  
<221> VARIANT  
<222> 2  
<223> Xaa = Trp or any amino acid

<220>  
<221> VARIANT  
<222> 1, 3, 5, 7  
<223> Xaa = hydrophobic amino acid residues

<220>  
<221> VARIANT  
<222> 4, 6  
<223> Xaa = any amino acid

<400> 7  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5

<210> 8  
<211> 7  
<212> PRT  
<213> Unknown

<220>  
 <223> motif in heptameric region recognized by heat shock protein

<220>  
 <221> VARIANT  
 <222> 2  
 <223> Xaa = Trp or any amino acid

<220>  
 <221> VARIANT  
 <222> 1, 3, 5, 7,  
 <223> Xaa = hydrophobic amino acid residue, particularly tryptophan, leucine or phenylalanine

<220>  
 <221> VARIANT  
 <222> 4, 6  
 <223> Xaa = any amino acid

<400> 8  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 1 5

<210> 9  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> mutated heat shock protein peptide

<400> 9  
 Lys Asp Glu Leu  
 1

<210> 10  
 <211> 10  
 <212> PRT  
 <213> Adeno Virus

<400> 10  
 Ser Gly Pro Ser Asn Thr Pro Pro Glu Ile  
 1 5 10

<210> 11  
 <211> 11  
 <212> PRT  
 <213> Lymphocytic Choriomeningitis Virus (LCMV)

<400> 11  
 Ser Gly Val Glu Asn Pro Gly Gly Tyr Cys Leu  
 1 5 10

<210> 12  
 <211> 10  
 <212> PRT  
 <213> Lymphocytic Choriomeningitis Virus (LCMV)

<400> 12  
 Lys Ala Val Tyr Asn Phe Ala Thr Cys Gly  
 1 5 10

<210> 13  
 <211> 9  
 <212> PRT  
 <213> Lymphocytic Choriomeningitis Virus (LCMV)

<400> 13  
 Arg Pro Gln Ala Ser Gly Val Tyr Met  
 1 5

<210> 14  
 <211> 9  
 <212> PRT  
 <213> Lymphocytic Choriomeningitis Virus (LCMV)

<400> 14  
 Phe Gln Pro Gln Asn Gly Gln Phe Ile  
 1 5

<210> 15  
 <211> 9  
 <212> PRT  
 <213> Influenza Virus

<400> 15  
 Ile Glu Gly Gly Trp Thr Gly Met Ile  
 1 5

<210> 16  
 <211> 10  
 <212> PRT  
 <213> Influenza Virus

<400> 16  
 Thr Tyr Val Ser Val Ser Thr Ser Thr Leu  
 1 5 10

<210> 17  
 <211> 8  
 <212> PRT  
 <213> Influenza Virus

<400> 17  
 Phe Glu Ala Asn Gly Asn Leu Ile  
 1 5

<210> 18  
 <211> 9  
 <212> PRT  
 <213> Influenza Virus

<400> 18  
Ile Tyr Ser Thr Val Ala Ser Ser Leu  
1 5

<210> 19  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 19  
Thr Tyr Gln Arg Thr Arg Ala Leu Val  
1 5

<210> 20  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 20  
Cys Thr Glu Leu Lys Leu Ser Asp Tyr  
1 5

<210> 21  
<211> 8  
<212> PRT  
<213> Influenza Virus

<400> 21  
Ser Asp Tyr Glu Gly Arg Leu Ile  
1 5

<210> 22  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 22  
Glu Glu Gly Ala Ile Val Gly Glu Ile  
1 5

<210> 23  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 23  
Val Ser Asp Gly Gly Pro Asn Leu Tyr  
1 5

<210> 24  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 24

Ala Ser Asn Glu Asn Met Glu Thr Met  
1 5

<210> 25  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 25  
Ala Ser Asn Glu Asn Met Asp Ala Met  
1 5

<210> 26  
<211> 10  
<212> PRT  
<213> Influenza Virus

<400> 26  
Lys Leu Gly Glu Phe Tyr Asn Gln Met Met  
1 5 10

<210> 27  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 27  
Leu Tyr Gln Asn Val Gly Thr Tyr Val  
1 5

<210> 28  
<211> 10  
<212> PRT  
<213> Influenza Virus

<400> 28  
Thr Tyr Val Ser Val Gly Thr Ser Thr Leu  
1 5 10

<210> 29  
<211> 8  
<212> PRT  
<213> Influenza Virus

<400> 29  
Phe Glu Ser Thr Gly Asn Leu Ile  
1 5

<210> 30  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 30  
Val Tyr Gln Ile Leu Ala Ile Tyr Ala

1 5

<210> 31  
 <211> 9  
 <212> PRT  
 <213> Influenza Virus

<400> 31  
 Ile Tyr Ala Thr Val Ala Gly Ser Leu  
 1 5

<210> 32  
 <211> 9  
 <212> PRT  
 <213> Influenza Virus

<400> 32  
 Gly Ile Leu Gly Phe Val Phe Thr Leu  
 1 5

<210> 33  
 <211> 10  
 <212> PRT  
 <213> Influenza Virus

<400> 33  
 Ile Leu Gly Phe Val Phe Thr Leu Thr Val  
 1 5 10

<210> 34  
 <211> 9  
 <212> PRT  
 <213> Influenza Virus

<400> 34  
 Ile Leu Arg Gly Ser Val Ala His Lys  
 1 5

<210> 35  
 <211> 9  
 <212> PRT  
 <213> Influenza Virus

<400> 35  
 Glu Asp Leu Arg Val Leu Ser Phe Ile  
 1 5

<210> 36  
 <211> 9  
 <212> PRT  
 <213> Influenza Virus

<400> 36  
 Glu Leu Arg Ser Arg Tyr Trp Ala Ile  
 1 5



<210> 37  
<211> 9  
<212> PRT  
<213> Influenza Virus  
<400> 37  
Ser Arg Tyr Trp Ala Ile Arg Thr Arg  
1 5

<210> 38  
<211> 9  
<212> PRT  
<213> Influenza Virus

<400> 38  
Lys Thr Gly Gly Pro Ile Tyr Lys Arg  
1 5

<210> 39  
<211> 9  
<212> PRT  
<213> Sendai Virus

<400> 39  
Phe Ala Pro Gly Asn Tyr Pro Ala Leu  
1 5

<210> 40  
<211> 9  
<212> PRT  
<213> Measles Virus

<400> 40  
Arg Arg Tyr Pro Asp Ala Val Tyr Leu  
1 5

<210> 41  
<211> 9  
<212> PRT  
<213> Measles Virus

<400> 41  
Asp Pro Val Ile Asp Arg Leu Tyr Leu  
1 5

<210> 42  
<211> 9  
<212> PRT  
<213> Measles Virus

<400> 42  
Ser Pro Gly Arg Ser Phe Ser Tyr Phe  
1 5

<210> 43  
<211> 9  
<212> PRT  
<213> Measles Virus

<400> 43  
Tyr Pro Ala Leu Gly Leu His Glu Phe  
1 5

<210> 44  
<211> 8  
<212> PRT  
<213> Polio Virus

<400> 44  
Thr Tyr Lys Asp Thr Val Gln Leu  
1 5

<210> 45  
<211> 10  
<212> PRT  
<213> Polio Virus

<400> 45  
Phe Tyr Asp Gly Phe Ser Lys Val Pro Leu  
1 5 10

<210> 46  
<211> 11  
<212> PRT  
<213> Human Cytomegalovirus (HCMV)

<400> 46  
Phe Ile Ala Gly Asn Ser Ala Tyr Glu Tyr Val  
1 5 10

<210> 47  
<211> 9  
<212> PRT  
<213> Mouse Cytomegalovirus (MCMV)

<400> 47  
Tyr Pro His Phe Met Pro Thr Asn Leu  
1 5

<210> 48  
<211> 9  
<212> PRT  
<213> Coronavirus

<400> 48  
Ala Pro Thr Ala Gly Ala Phe Phe Phe  
1 5

<210> 49

<211> 11  
<212> PRT  
<213> Hepatitis B Virus

<400> 49  
Ser Thr Leu Pro Glu Thr Thr Val Val Arg Arg  
1 5 10

<210> 50  
<211> 10  
<212> PRT  
<213> Hepatitis B Virus

<400> 50  
Phe Leu Pro Ser Asp Phe Phe Pro Ser Val  
1 5 10

<210> 51  
<211> 9  
<212> PRT  
<213> Hepatitis B Virus

<400> 51  
Trp Leu Ser Leu Leu Val Pro Phe Val  
1 5

<210> 52  
<211> 10  
<212> PRT  
<213> Hepatitis B Virus

<400> 52  
Gly Leu Ser Pro Thr Val Trp Leu Ser Val  
1 5 10

<210> 53  
<211> 9  
<212> PRT  
<213> Hepatitis C Virus

<400> 53  
Asp Leu Met Gly Tyr Ile Pro Leu Val  
1 5

<210> 54  
<211> 10  
<212> PRT  
<213> Hepatitis C Virus

<400> 54  
Leu Met Gly Tyr Ile Pro Leu Val Gly Ala  
1 5 10

<210> 55  
<211> 8

<212> PRT  
 <213> Hepatitis C Virus  
  
 <400> 55  
 Ala Ser Arg Cys Trp Val Ala Met  
 1 5  
  
 <210> 56  
 <211> 10  
 <212> PRT  
 <213> Hepatitis C Virus  
  
 <400> 56  
 Lys Leu Val Ala Leu Gly Ile Asn Ala Val  
 1 5 10  
  
 <210> 57  
 <211> 9  
 <212> PRT  
 <213> Epstein Barr Virus  
  
 <400> 57  
 Phe Leu Arg Gly Arg Ala Tyr Gly Leu  
 1 5  
  
 <210> 58  
 <211> 9  
 <212> PRT  
 <213> Epstein Barr Virus  
  
 <400> 58  
 Arg Arg Ile Tyr Asp Leu Ile Glu Leu  
 1 5  
  
 <210> 59  
 <211> 9  
 <212> PRT  
 <213> Epstein Barr Virus  
  
 <400> 59  
 Ile Val Thr Asp Phe Ser Val Ile Lys  
 1 5  
  
 <210> 60  
 <211> 9  
 <212> PRT  
 <213> Epstein Barr Virus  
  
 <400> 60  
 Arg Arg Arg Trp Arg Arg Leu Thr Val  
 1 5  
  
 <210> 61  
 <211> 10  
 <212> PRT

<213> Epstein Barr Virus  
  
 <400> 61  
 Glu Glu Asn Leu Leu Asp Phe Val Arg Phe  
 1 5 10  
  
 <210> 62  
 <211> 9  
 <212> PRT  
 <213> Epstein Barr Virus  
  
 <400> 62  
 Cys Leu Gly Gly Leu Leu Thr Met Val  
 1 5  
  
 <210> 63  
 <211> 8  
 <212> PRT  
 <213> Herpes Simplex Virus  
  
 <400> 63  
 Ser Ser Ile Glu Phe Ala Arg Leu  
 1 5  
  
 <210> 64  
 <211> 11  
 <212> PRT  
 <213> Herpes Simplex Virus  
  
 <400> 64  
 Leu Tyr Arg Thr Phe Ala Gly Asn Pro Arg Ala  
 1 5 10  
  
 <210> 65  
 <211> 9  
 <212> PRT  
 <213> Herpes Simplex Virus  
  
 <400> 65  
 Asp Tyr Ala Thr Leu Gly Val Gly Val  
 1 5  
  
 <210> 66  
 <211> 9  
 <212> PRT  
 <213> Human Papilloma Virus  
  
 <400> 66  
 Leu Leu Leu Gly Thr Leu Asn Ile Val  
 1 5  
  
 <210> 67  
 <211> 9  
 <212> PRT  
 <213> Human Papilloma Virus

<400> 67  
Leu Leu Met Gly Thr Leu Gly Ile Val  
1 5

<210> 68  
<211> 9  
<212> PRT  
<213> Human Papilloma Virus

<400> 68  
Thr Leu Gln Asp Ile Val Leu His Leu  
1 5

<210> 69  
<211> 9  
<212> PRT  
<213> Human Papilloma Virus

<400> 69  
Gly Leu His Cys Tyr Glu Gln Leu Val  
1 5

<210> 70  
<211> 9  
<212> PRT  
<213> Human Papilloma Virus

<400> 70  
Pro Leu Lys Gln His Phe Gln Ile Val  
1 5

<210> 71  
<211> 9  
<212> PRT  
<213> Human Papilloma Virus

<400> 71  
Arg Leu Val Thr Leu Lys Asp Ile Val  
1 5

<210> 72  
<211> 9  
<212> PRT  
<213> Human Papilloma Virus

<400> 72  
Arg Ala His Tyr Asn Ile Val Thr Phe  
1 5

<210> 73  
<211> 9  
<212> PRT  
<213> Human T-cell Leukemia Virus

<400> 73  
 Leu Leu Phe Gly Tyr Pro Val Tyr Val  
 1 5

<210> 74  
 <211> 10  
 <212> PRT  
 <213> Simian Virus 40

<400> 74  
 Ser Ala Ile Asn Asn Tyr Ala Gln Lys Leu  
 1 5 10

<210> 75  
 <211> 9  
 <212> PRT  
 <213> Human Immunodeficiency Virus

<400> 75  
 His Gln Ala Ile Ser Pro Arg Thr Leu  
 1 5

<210> 76  
 <211> 12  
 <212> PRT  
 <213> Human Immunodeficiency Virus

<400> 76  
 Gln Met Val His Gln Ala Ile Ser Pro Arg Thr Leu  
 1 5 10

<210> 77  
 <211> 9  
 <212> PRT  
 <213> Simian Virus 40

<400> 77  
 Cys Lys Gly Val Asn Lys Glu Tyr Leu  
 1 5

<210> 78  
 <211> 9  
 <212> PRT  
 <213> Simian Virus 40

<400> 78  
 Gln Gly Ile Asn Asn Leu Asp Asn Leu  
 1 5

<210> 79  
 <211> 9  
 <212> PRT  
 <213> Simian Virus 40

<400> 79

Asn Asn Leu Asp Asn Leu Arg Asp Tyr  
1 5

<210> 80  
<211> 9  
<212> PRT  
<213> Simian Virus 40

<400> 80  
Ser Glu Phe Leu Leu Glu Lys Arg Ile  
1 5

<210> 81  
<211> 9  
<212> PRT  
<213> Respiratory Syncytial Virus

<400> 81  
Ser Tyr Ile Gly Ser Ile Asn Asn Ile  
1 5

<210> 82  
<211> 10  
<212> PRT  
<213> Human Immunodeficiency Virus

<400> 82  
Ile Leu Gly Asn Lys Ile Val Arg Met Tyr  
1 5 10

<210> 83  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus

<400> 83  
Arg Leu Arg Pro Gly Gly Lys Lys Lys  
1 5

<210> 84  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus

<400> 84  
Glu Ile Lys Asp Thr Lys Glu Ala Leu  
1 5

<210> 85  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus

<400> 85  
Gly Glu Ile Tyr Lys Arg Trp Ile Ile



1

5

<210> 86  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus  
  
<400> 86  
Glu Ile Tyr Lys Arg Trp Ile Ile Leu  
1 5

<210> 87  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus  
  
<400> 87  
Arg Tyr Leu Lys Asp Gln Gln Leu Leu  
1 5

<210> 88  
<211> 10  
<212> PRT  
<213> Human Immunodeficiency Virus  
  
<400> 88  
Arg Gly Pro Gly Arg Ala Phe Val Thr Ile  
1 5 10

<210> 89  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus  
  
<400> 89  
Ile Val Gly Leu Asn Lys Ile Val Arg  
1 5

<210> 90  
<211> 10  
<212> PRT  
<213> Human Immunodeficiency Virus  
  
<400> 90  
Thr Val Tyr Tyr Gly Val Pro Val Trp Lys  
1 5 10

<210> 91  
<211> 11  
<212> PRT  
<213> Human Immunodeficiency Virus  
  
<400> 91  
Arg Leu Arg Asp Leu Leu Leu Ile Val Thr Arg  
1 5 10

<210> 92  
 <211> 10  
 <212> PRT  
 <213> Human Immunodeficiency Virus  
  
 <400> 92  
 Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys  
 1 5 10  
  
 <210> 93  
 <211> 9  
 <212> PRT  
 <213> Human Immunodeficiency Virus  
  
 <400> 93  
 Ser Phe Asn Cys Gly Gly Glu Phe Phe  
 1 5  
  
 <210> 94  
 <211> 9  
 <212> PRT  
 <213> Human Immunodeficiency Virus  
  
 <400> 94  
 Gly Arg Ala Phe Val Thr Ile Gly Lys  
 1 5  
  
 <210> 95  
 <211> 10  
 <212> PRT  
 <213> Human Immunodeficiency Virus  
  
 <400> 95  
 Thr Pro Gly Pro Gly Val Arg Tyr Pro Leu  
 1 5 10  
  
 <210> 96  
 <211> 10  
 <212> PRT  
 <213> Human Immunodeficiency Virus  
  
 <400> 96  
 Gln Val Pro Leu Arg Pro Met Thr Tyr Lys  
 1 5 10  
  
 <210> 97  
 <211> 9  
 <212> PRT  
 <213> Human Immunodeficiency Virus  
  
 <400> 97  
 Thr Glu Met Glu Lys Glu Gly Lys Ile  
 1 5

<210> 98  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus

<400> 98  
Ile Leu Lys Glu Pro Val His Gly Val  
1 5

<210> 99  
<211> 9  
<212> PRT  
<213> Rabies Virus

<400> 99  
Val Glu Ala Glu Ile Ala His Gln Ile  
1 5

<210> 100  
<211> 8  
<212> PRT  
<213> Vesicular Stomatitis Virus

<400> 100  
Arg Gly Tyr Val Tyr Gln Gly Leu  
1 5

<210> 101  
<211> 9  
<212> PRT  
<213> Rotavirus

<400> 101  
Tyr Ser Gly Tyr Ile Phe Arg Asp Leu  
1 5

<210> 102  
<211> 9  
<212> PRT  
<213> Rotavirus

<400> 102  
Val Gly Pro Val Phe Pro Pro Gly Met  
1 5

<210> 103  
<211> 8  
<212> PRT  
<213> Rotavirus

<400> 103  
Ile Ile Tyr Arg Phe Leu Leu Ile  
1 5

<210> 104  
<211> 9  
<212> PRT  
<213> *Listeria innocua*

<400> 104  
Lys Tyr Gly Val Ser Val Gln Asp Ile  
1 5

<210> 105  
<211> 9  
<212> PRT  
<213> *Yersinia pseudotuberculosis*

<400> 105  
Ile Gln Val Gly Asn Thr Arg Thr Ile  
1 5

<210> 106  
<211> 9  
<212> PRT  
<213> *E.coli*

<400> 106  
Thr Pro His Pro Ala Arg Ile Gly Leu  
1 5

<210> 107  
<211> 9  
<212> PRT  
<213> *P. falciparum*

<400> 107  
Ser Tyr Ile Pro Ser Ala Glu Lys Ile  
1 5

<210> 108  
<211> 8  
<212> PRT  
<213> *P. falciparum*

<400> 108  
Lys Pro Lys Asp Glu Leu Asp Tyr  
1 5

<210> 109  
<211> 8  
<212> PRT  
<213> *P. falciparum*

<400> 109  
Lys Ser Lys Asp Glu Leu Asp Tyr  
1 5

<210> 110

<211> 8  
 <212> PRT  
 <213> P. falciparum  
  
 <400> 110  
 Lys Pro Asn Asp Lys Ser Leu Tyr  
 1 5  
  
 <210> 111  
 <211> 10  
 <212> PRT  
 <213> P. falciparum  
  
 <400> 111  
 Lys Tyr Leu Lys Lys Ile Lys Asn Ser Leu  
 1 5 10  
  
 <210> 112  
 <211> 9  
 <212> PRT  
 <213> P. falciparum  
  
 <400> 112  
 Tyr Glu Asn Asp Ile Glu Lys Lys Ile  
 1 5  
  
 <210> 113  
 <211> 9  
 <212> PRT  
 <213> P. falciparum  
  
 <400> 113  
 Asn Tyr Asp Asn Ala Gly Thr Asn Leu  
 1 5  
  
 <210> 114  
 <211> 9  
 <212> PRT  
 <213> P. falciparum  
  
 <400> 114  
 Asp Glu Leu Asp Tyr Glu Asn Asp Ile  
 1 5  
  
 <210> 115  
 <211> 9  
 <212> PRT  
 <213> P. yoelii  
  
 <400> 115  
 Ser Tyr Val Pro Ser Ala Glu Gln Ile  
 1 5  
  
 <210> 116  
 <211> 8

<212> PRT  
 <213> Homo sapiens  
  
 <400> 116  
 Phe Glu Gln Asn Thr Ala Gln Pro  
 1 5  
  
 <210> 117  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 117  
 Phe Glu Gln Asn Thr Ala Gln Ala  
 1 5  
  
 <210> 118  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 118  
 Glu Ala Asp Pro Thr Gly His Ser Tyr  
 1 5  
  
 <210> 119  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 119  
 Glu Val Asp Pro Ile Gly His Leu Tyr  
 1 5  
  
 <210> 120  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 120  
 Ala Ala Gly Ile Gly Ile Leu Thr Val  
 1 5  
  
 <210> 121  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 121  
 Tyr Leu Glu Pro Gly Pro Val Thr Ala  
 1 5  
  
 <210> 122  
 <211> 10  
 <212> PRT

<213> Homo sapiens  
 <400> 122  
 Ile Leu Asp Gly Thr Ala Thr Leu Arg Leu  
 1 5 10

<210> 123  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
 <400> 123  
 Met Leu Leu Ala Leu Leu Tyr Cys Leu  
 1 5

<210> 124  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
 <400> 124  
 Tyr Met Asn Gly Thr Met Ser Gln Val  
 1 5

<210> 125  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
 <400> 125  
 Leu Pro Tyr Leu Gly Trp Leu Val Phe  
 1 5

<210> 126  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens  
 <400> 126  
 Phe Gly Pro Tyr Lys Leu Asn Arg Leu  
 1 5

<210> 127  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens  
 <400> 127  
 Lys Ser Pro Trp Phe Thr Thr Leu  
 1 5

<210> 128  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 128  
Gly Pro Pro His Ser Asn Asn Phe Gly Tyr  
1 5 10

<210> 129  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 129  
Ile Ser Thr Gln Asn His Arg Ala Leu  
1 5

<210> 130  
<211> 10  
<212> PRT  
<213> Influenza Virus

<400> 130  
Tyr Gly Ile Leu Gly Lys Val Phe Thr Leu  
1 5 10

<210> 131  
<211> 9  
<212> PRT  
<213> Human Immunodeficiency Virus

<400> 131  
Ser Leu Tyr Asn Thr Val Ala Thr Leu  
1 5

<210> 132  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 132  
Gly Lys Trp Val Tyr Ile Gly Trp  
1 5

<210> 133  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 133  
Ala Lys Arg Glu Thr Lys Gly Trp



1

5

<210> 134

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 134

Lys Trp Val His Leu Phe Gly Trp

1

5

<210> 135

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 135

Arg Leu Val Leu Val Leu Gly Trp

1

5

<210> 136

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 136

Trp Lys Trp Gly Ile Tyr Gly Trp

1

5

<210> 137

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 137

Ser Ser His Ala Ser Ala Gly Trp

1

5

<210> 138

<211> 8

<212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 138  
 Trp Gly Pro Trp Ser Phe Gly Trp  
   1                          5  
  
  
 <210> 139  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 139  
 Ala Ile Pro Gly Lys Val Gly Trp  
   1                          5  
  
  
 <210> 140  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 140  
 Arg Val His Asp Pro Ala Gly Trp  
   1                          5  
  
  
 <210> 141  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 141  
 Arg Ser Val Ser Ser Phe Gly Trp  
   1                          5  
  
  
 <210> 142  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal

Trp residue

<400> 142

Leu Gly Thr Arg Lys Gly Gly Trp  
1 5

<210> 143

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 143

Lys Asp Pro Leu Phe Asn Gly Trp  
1 5

<210> 144

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 144

Leu Ser Gln His Thr Asn Gly Trp  
1 5

<210> 145

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 145

Asn Arg Leu Leu Leu Thr Gly Trp  
1 5

<210> 146

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 146

Tyr Pro Leu Trp Val Ile Gly Trp  
1 5

<210> 147  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 147  
 Leu Leu Ile Ile Asp Arg Gly Trp  
   1                          5  
  
 <210> 148  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 148  
 Arg Val Ile Ser Leu Gln Gly Trp  
   1                          5  
  
 <210> 149  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 149  
 Glu Val Ser Arg Glu Asp Gly Trp  
   1                          5  
  
 <210> 150  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 150  
 Ser Ile Leu Arg Ser Thr Gly Trp  
   1                          5  
  
 <210> 151  
 <211> 8  
 <212> PRT

<213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 151  
 Pro Gly Leu Val Trp Leu Gly Trp  
 1 5

<210> 152  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 152  
 Val Lys Lys Leu Tyr Ile Gly Trp  
 1 5

<210> 153  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 153  
 Asn Asn Arg Leu Leu Asp Gly Trp  
 1 5

<210> 154  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 154  
 Ser Lys Gly Arg Trp Gly Gly Trp  
 1 5

<210> 155  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 155  
 Ile Arg Pro Ser Gly Ile Gly Trp  
 1 5

<210> 156  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 156  
 Ala Ser Leu Cys Pro Thr Gly Trp  
 1 5

<210> 157  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 157  
 Asp Val Pro Gly Leu Arg Gly Trp  
 1 5

<210> 158  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 158  
 Arg His Arg Glu Val Gln Gly Trp  
 1 5

<210> 159  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 159  
 Leu Ala Arg Lys Arg Ser Gly Trp  
 1 5

<210> 160  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 160  
 Ser Val Leu Asp His Val Gly Trp  
   1                  5  
  
 <210> 161  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 161  
 Asn Leu Leu Arg Arg Ala Gly Trp  
   1                  5  
  
 <210> 162  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 162  
 Ser Gly Ile Ser Ala Trp Gly Trp  
   1                  5  
  
 <210> 163  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 163  
 Phe Tyr Phe Trp Val Arg Gly Trp  
   1                  5  
  
 <210> 164  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue

<400> 164  
 Lys Leu Phe Leu Pro Leu Gly Trp  
   1                  5

<210> 165  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue

<400> 165  
 Thr Pro Thr Leu Ser Asp Gly Trp  
   1                  5

<210> 166  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue

<400> 166  
 Thr His Ser Leu Ile Leu Gly Trp  
   1                  5

<210> 167  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue

<400> 167  
 Leu Leu Leu Leu Ser Arg Gly Trp  
   1                  5

<210> 168  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue



<400> 168  
 Leu Leu Arg Val Arg Ser Gly Trp  
 1 5

<210> 169  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 169  
 Glu Arg Arg Ser Arg Gly Gly Trp  
 1 5

<210> 170  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 170  
 Arg Met Leu Gln Leu Ala Gly Trp  
 1 5

<210> 171  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 171  
 Arg Gly Trp Ala Asn Ser Gly Trp  
 1 5

<210> 172  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 172  
 Arg Pro Phe Tyr Ser Tyr Gly Trp  
 1 5

<210> 173  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 173  
 Ser Ser Ser Trp Asn Ala Gly Trp  
   1                  5  
  
 <210> 174  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 174  
 Leu Gly His Leu Glu Glu Gly Trp  
   1                  5  
  
 <210> 175  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 175  
 Ser Ala Val Thr Asn Thr Gly Trp  
   1                  5  
  
 <210> 176  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 176  
 Leu Arg Arg Ala Ser Leu Trp  
   1                  5  
  
 <210> 177  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 177  
 Leu Arg Arg Trp Ser Leu Trp  
   1                  5  
  
 <210> 178  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 178  
 Lys Trp Val His Leu Phe Trp  
   1                  5  
  
 <210> 179  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 179  
 Asn Arg Leu Leu Leu Thr Trp  
   1                  5  
  
 <210> 180  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 180  
 Ala Arg Leu Leu Leu Thr Trp  
   1                  5  
  
 <210> 181  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 181

Asn Ala Leu Leu Leu Thr Trp  
1 5

<210> 182  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 182  
Asn Arg Leu Ala Leu Thr Trp  
1 5

<210> 183  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 183  
Asn Leu Leu Arg Leu Thr Trp  
1 5

<210> 184  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 184  
Asn Arg Leu Trp Leu Thr Trp  
1 5

<210> 185  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 185  
Asn Arg Leu Leu Leu Ala Trp  
1 5

<210> 186

<211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 186  
 Phe Tyr Gln Leu Ala Leu Thr Trp  
   1                          5  
  
 <210> 187  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 187  
 Phe Tyr Gln Leu Ala Leu Thr Trp  
   1                          5  
  
 <210> 188  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 188  
 Arg Lys Leu Phe Phe Asn Leu Arg Trp  
   1                          5  
  
 <210> 189  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 189  
 Arg Lys Leu Phe Phe Asn Leu Arg Trp  
   1                          5  
  
 <210> 190  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 190  
Lys Phe Glu Arg Gln Trp  
1 5

<210> 191  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 191  
Asn Ile Val Arg Lys Lys Lys Thr Arg  
1 5

<210> 192  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 192  
Arg Gly Tyr Val Tyr Gln Gly Leu Trp  
1 5

<210> 193  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 193  
Tyr Thr Leu Val Gln Pro Leu Trp  
1 5

<210> 194  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 194  
Thr Pro Asp Ile Thr Pro Lys Trp

1

5

<210> 195

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 195

Thr Tyr Pro Asp Leu Arg Tyr Trp

1

5

<210> 196

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 196

Asp Arg Thr His Ala Thr Ser Trp

1

5

<210> 197

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 197

Met Ser Thr Thr Phe Tyr Ser Trp

1

5

<210> 198

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 198

Tyr Gln His Ala Val Gln Thr Trp

1

5

<210> 199

<211> 8

<212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 199  
 Phe Pro Phe Ser Ala Ser Thr Trp  
   1                  5  
  
 <210> 200  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 200  
 Ser Ser Phe Pro Pro Leu Asp Trp  
   1                  5  
  
 <210> 201  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 201  
 Met Ala Pro Ser Pro Pro His Trp  
   1                  5  
  
 <210> 202  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 202  
 Ser Ser Phe Pro Asp Leu Leu Trp  
   1                  5  
  
 <210> 203  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal



Trp residue

<400> 203

His Ser Tyr Asn Arg Leu Pro Trp  
1 5

<210> 204

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 204

His Leu Thr His Ser Gln Arg Trp  
1 5

<210> 205

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 205

Gln Ala Ala Gln Ser Arg Ser Trp  
1 5

<210> 206

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 206

Phe Ala Thr His His Ile Gly Trp  
1 5

<210> 207

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 207

Ser Met Pro Glu Pro Leu Ile Trp  
1 5

<210> 208  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 208  
 Ile Pro Arg Tyr His Leu Ile Trp  
   1                  5  
  
 <210> 209  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 209  
 Ser Ala Pro His Met Thr Ser Trp  
   1                  5  
  
 <210> 210  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 210  
 Lys Ala Pro Val Trp Ala Ser Trp  
   1                  5  
  
 <210> 211  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 211  
 Leu Pro His Trp Leu Leu Ile Trp  
   1                  5  
  
 <210> 212  
 <211> 8  
 <212> PRT

<213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 212  
 Ala Ser Ala Gly Tyr Gln Ile Trp  
   1                  5  
  
 <210> 213  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 213  
 Val Thr Pro Lys Thr Gly Ser Trp  
   1                  5  
  
 <210> 214  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 214  
 Glu His Pro Met Pro Val Leu Trp  
   1                  5  
  
 <210> 215  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 215  
 Val Ser Ser Phe Val Thr Ser Trp  
   1                  5  
  
 <210> 216  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue

<400> 216  
 Ser Thr His Phe Thr Trp Pro Trp  
 1 5

<210> 217  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 217  
 Gly Gln Trp Trp Ser Pro Asp Trp  
 1 5

<210> 218  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 218  
 Gly Pro Pro His Gln Asp Ser Trp  
 1 5

<210> 219  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 219  
 Asn Thr Leu Pro Ser Thr Ile Trp  
 1 5

<210> 220  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 220  
 His Gln Pro Ser Arg Trp Val Trp  
 1 5

```

<210> 221
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heat shock protein binding domain with a terminal
      Trp residue

<400> 221
Tyr Gly Asn Pro Leu Gln Pro Trp
 1               5

<210> 222
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heat shock protein binding domain with a terminal
      Trp residue

<400> 222
Phe His Trp Trp Trp Gln Pro Trp
 1               5

<210> 223
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heat shock protein binding domain with a terminal
      Trp residue

<400> 223
Ile Thr Leu Lys Tyr Pro Leu Trp
 1               5

<210> 224
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Heat shock protein binding domain with a terminal
      Trp residue

<400> 224
Phe His Trp Pro Trp Leu Phe Trp
 1               5

<210> 225
<211> 8
<212> PRT
<213> Artificial Sequence

```

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 225  
Thr Ala Gln Asp Ser Thr Gly Trp  
1 5

<210> 226  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 226  
Phe His Trp Trp Trp Gln Pro Trp  
1 5

<210> 227  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 227  
Phe His Trp Trp Asp Trp Trp Trp  
1 5

<210> 228  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 228  
Glu Pro Phe Phe Arg Met Gln Trp  
1 5

<210> 229  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 229  
 Thr Trp Trp Leu Asn Tyr Arg Trp  
 1 5

<210> 230  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 230  
 Phe His Trp Trp Trp Gln Pro Trp  
 1 5

<210> 231  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 231  
 Gln Pro Ser His Leu Arg Trp Trp  
 1 5

<210> 232  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 232  
 Ser Pro Ala Ser Pro Val Tyr Trp  
 1 5

<210> 233  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 233  
 Phe His Trp Trp Trp Gln Pro Trp  
 1 5

<210> 234  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 234  
 His Pro Ser Asn Gln Ala Ser Trp  
   1                          5  
  
 <210> 235  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 235  
 Asn Ser Ala Pro Arg Pro Val Trp  
   1                          5  
  
 <210> 236  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 236  
 Gln Leu Trp Ser Ile Tyr Pro Trp  
   1                          5  
  
 <210> 237  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 237  
 Ser Trp Pro Phe Phe Asp Leu Trp  
   1                          5  
  
 <210> 238  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence



<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 238  
Asp Thr Thr Leu Pro Leu His Trp  
1 5

<210> 239  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 239  
Trp His Trp Gln Met Leu Trp Trp  
1 5

<210> 240  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 240  
Asp Ser Phe Arg Thr Pro Val Trp  
1 5

<210> 241  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 241  
Thr Ser Pro Leu Ser Leu Leu Trp  
1 5

<210> 242  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 242

Ala Tyr Asn Tyr Val Ser Asp Trp  
1 5

<210> 243  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 243  
Arg Pro Leu His Asp Pro Met Trp  
1 5

<210> 244  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 244  
Trp Pro Ser Thr Thr Leu Phe Trp  
1 5

<210> 245  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 245  
Ala Thr Leu Glu Pro Val Arg Trp  
1 5

<210> 246  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 246  
Ser Met Thr Val Leu Arg Pro Trp  
1 5

<210> 247

<211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 247  
 Gln Ile Gly Ala Pro Ser Trp Trp  
   1                          5  
  
  
 <210> 248  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 248  
 Ala Pro Asp Leu Tyr Val Pro Trp  
   1                          5  
  
  
 <210> 249  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 249  
 Arg Met Pro Pro Leu Leu Pro Trp  
   1                          5  
  
  
 <210> 250  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 250  
 Ala Lys Ala Thr Pro Glu His Trp  
   1                          5  
  
  
 <210> 251  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 251  
Thr Pro Pro Leu Arg Ile Asn Trp  
1 5

<210> 252  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 252  
Leu Pro Ile His Ala Pro His Trp  
1 5

<210> 253  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 253  
Asp Leu Asn Ala Tyr Thr His Trp  
1 5

<210> 254  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 254  
Val Thr Leu Pro Asn Phe His Trp  
1 5

<210> 255  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 255  
Asn Ser Arg Leu Pro Thr Leu Trp

1

5

<210> 256

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 256

Tyr Pro His Pro Ser Arg Ser Trp

1

5

<210> 257

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 257

Gly Thr Ala His Phe Met Tyr Trp

1

5

<210> 258

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 258

Tyr Ser Leu Leu Pro Thr Arg Trp

1

5

<210> 259

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 259

Leu Pro Arg Arg Thr Leu Leu Trp

1

5

<210> 260

<211> 8

<212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 260  
 Thr Ser Thr Leu Leu Trp Lys Trp  
   1                    5  
  
  
 <210> 261  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 261  
 Thr Ser Asp Met Lys Pro His Trp  
   1                    5  
  
  
 <210> 262  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 262  
 Thr Ser Ser Tyr Leu Ala Leu Trp  
   1                    5  
  
  
 <210> 263  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
         Trp residue  
  
 <400> 263  
 Asn Leu Tyr Gly Pro His Asp Trp  
   1                    5  
  
  
 <210> 264  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal

Trp residue

<400> 264

Leu Glu Thr Tyr Thr Ala Ser Trp  
1 5

<210> 265

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 265

Ala Tyr Lys Ser Leu Thr Gln Trp  
1 5

<210> 266

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 266

Ser Thr Ser Val Tyr Ser Ser Trp  
1 5

<210> 267

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 267

Glu Gly Pro Leu Arg Ser Pro Trp  
1 5

<210> 268

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 268

Thr Thr Tyr His Ala Leu Gly Trp  
1 5

<210> 269  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 269  
 Val Ser Ile Gly His Pro Ser Trp  
   1                  5  
  
 <210> 270  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 270  
 Thr His Ser His Arg Pro Ser Trp  
   1                  5  
  
 <210> 271  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 271  
 Ile Thr Asn Pro Leu Thr Thr Trp  
   1                  5  
  
 <210> 272  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 272  
 Ser Ile Gln Ala His His Ser Trp  
   1                  5  
  
 <210> 273  
 <211> 8  
 <212> PRT



<213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 273  
 Leu Asn Trp Pro Arg Val Leu Trp  
   1                          5  
  
 <210> 274  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 274  
 Tyr Tyr Tyr Ala Pro Pro Pro Trp  
   1                          5  
  
 <210> 275  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 275  
 Ser Leu Trp Thr Arg Leu Pro Trp  
   1                          5  
  
 <210> 276  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 276  
 Asn Val Tyr His Ser Ser Leu Trp  
   1                          5  
  
 <210> 277  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue

<400> 277  
 Asn Ser Pro His Pro Pro Thr Trp  
 1 5

<210> 278  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 278  
 Val Pro Ala Lys Pro Arg His Trp  
 1 5

<210> 279  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 279  
 His Asn Leu His Pro Asn Arg Trp  
 1 5

<210> 280  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 280  
 Tyr Thr Thr His Arg Trp Leu Trp  
 1 5

<210> 281  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 281  
 Ala Val Thr Ala Ala Ile Val Trp  
 1 5

<210> 282  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 282  
 Thr Leu Met His Asp Arg Val Trp  
   1                  5  
  
 <210> 283  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 283  
 Thr Pro Leu Lys Val Pro Tyr Trp  
   1                  5  
  
 <210> 284  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 284  
 Phe Thr Asn Gln Gln Tyr His Trp  
   1                  5  
  
 <210> 285  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 285  
 Ser His Val Pro Ser Met Ala Trp  
   1                  5  
  
 <210> 286  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 286  
His Thr Thr Val Tyr Gly Ala Trp  
1 5

<210> 287  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 287  
Thr Glu Thr Pro Tyr Pro Thr Trp  
1 5

<210> 288  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 288  
Leu Thr Thr Pro Phe Ser Ser Trp  
1 5

<210> 289  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 289  
Gly Val Pro Leu Thr Met Asp Trp  
1 5

<210> 290  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 290  
 Lys Leu Pro Thr Val Leu Arg Trp  
 1 5

<210> 291  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 291  
 Cys Arg Phe His Gly Asn Arg Trp  
 1 5

<210> 292  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 292  
 Tyr Thr Arg Asp Phe Glu Ala Trp  
 1 5

<210> 293  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 293  
 Ser Ser Ala Ala Gly Pro Arg Trp  
 1 5

<210> 294  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 294  
 Ser Leu Ile Gln Tyr Ser Arg Trp  
 1 5

<210> 295  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <220>  
 <221> VARIANT  
 <222> 7  
 <223> Xaa = any amino acid  
  
 <400> 295  
 Asp Ala Leu Met Trp Pro Xaa Trp  
   1                  5  
  
 <210> 296  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <220>  
 <221> VARIANT  
 <222> 3  
 <223> Xaa = any amino acid  
  
 <400> 296  
 Ser Ser Xaa Ser Leu Tyr Ile Trp  
   1                  5  
  
 <210> 297  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 297  
 Phe Asn Thr Ser Thr Arg Thr Trp  
   1                  5  
  
 <210> 298  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue

<400> 298  
 Thr Val Gln His Val Ala Phe Trp  
 1 5

<210> 299  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 299  
 Asp Tyr Ser Phe Pro Pro Leu Trp  
 1 5

<210> 300  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 300  
 Val Gly Ser Met Glu Ser Leu Trp  
 1 5

<210> 301  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<220>  
 <221> VARIANT  
 <222> 2, 6  
 <223> Xaa = any amino acid

<400> 301  
 Phe Xaa Pro Met Ile Xaa Ser Trp  
 1 5

<210> 302  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 302  
 Ala Pro Pro Arg Val Thr Met Trp  
 1 5

<210> 303  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 303  
 Ile Ala Thr Lys Thr Pro Lys Trp  
 1 5

<210> 304  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 304  
 Lys Pro Pro Leu Phe Gln Ile Trp  
 1 5

<210> 305  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 305  
 Tyr His Thr Ala His Asn Met Trp  
 1 5

<210> 306  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 306  
 Ser Tyr Ile Gln Ala Thr His Trp  
 1 5



<210> 307  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 307  
 Ser Ser Phe Ala Thr Phe Leu Trp  
   1                          5  
  
 <210> 308  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 308  
 Thr Thr Pro Pro Asn Phe Ala Trp  
   1                          5  
  
 <210> 309  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 309  
 Ile Ser Leu Asp Pro Arg Met Trp  
   1                          5  
  
 <210> 310  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 310  
 Ser Leu Pro Leu Phe Gly Ala Trp  
   1                          5  
  
 <210> 311  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 311  
Asn Leu Leu Lys Thr Thr Leu Trp  
1 5

<210> 312  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 312  
Asp Gln Asn Leu Pro Arg Arg Trp  
1 5

<210> 313  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 313  
Ser His Phe Glu Gln Leu Leu Trp  
1 5

<210> 314  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 314  
Thr Pro Gln Leu His His Gly Trp  
1 5

<210> 315  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 315

Ala Pro Leu Asp Arg Ile Thr Trp  
1 5

<210> 316  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 316  
Phe Ala Pro Leu Ile Ala His Trp  
1 5

<210> 317  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 317  
Ser Trp Ile Gln Thr Phe Met Trp  
1 5

<210> 318  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 318  
Asn Thr Trp Pro His Met Tyr Trp  
1 5

<210> 319  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 319  
Glu Pro Leu Pro Thr Thr Leu Trp  
1 5

<210> 320

<211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 320  
 His Gly Pro His Leu Phe Asn Trp  
   1                  5  
  
 <210> 321  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 321  
 Tyr Leu Asn Ser Thr Leu Ala Trp  
   1                  5  
  
 <210> 322  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 322  
 His Leu His Ser Pro Ser Gly Trp  
   1                  5  
  
 <210> 323  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 323  
 Thr Leu Pro His Arg Leu Asn Trp  
   1                  5  
  
 <210> 324  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 324  
Ser Ser Pro Arg Glu Val His Trp  
1 5

<210> 325  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 325  
Asn Gln Val Asp Thr Ala Arg Trp  
1 5

<210> 326  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 326  
Tyr Pro Thr Pro Leu Leu Thr Trp  
1 5

<210> 327  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 327  
His Pro Ala Ala Phe Pro Trp Trp  
1 5

<210> 328  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 328  
Leu Leu Pro His Ser Ser Ala Trp

1

5

<210> 329

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 329

Leu Glu Thr Tyr Thr Ala Ser Trp

1

5

<210> 330

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 330

Lys Tyr Val Pro Leu Pro Pro Trp

1

5

<210> 331

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 331

Ala Pro Leu Ala Leu His Ala Trp

1

5

<210> 332

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 332

Tyr Glu Ser Leu Leu Thr Lys Trp

1

5

<210> 333

<211> 8

<212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 333  
 Ser His Ala Ala Ser Gly Thr Trp  
   1                  5  
  
  
 <210> 334  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 334  
 Gly Leu Ala Thr Val Lys Ser Trp  
   1                  5  
  
  
 <210> 335  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 335  
 Gly Ala Thr Ser Phe Gly Leu Trp  
   1                  5  
  
  
 <210> 336  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 336  
 Lys Pro Pro Gly Pro Val Ser Trp  
   1                  5  
  
  
 <210> 337  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal

Trp residue

<400> 337

Thr Leu Tyr Val Ser Gly Asn Trp  
1 5

<210> 338

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 338

His Ala Pro Phe Lys Ser Gln Trp  
1 5

<210> 339

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 339

Val Ala Phe Thr Arg Leu Pro Trp  
1 5

<210> 340

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 340

Leu Pro Thr Arg Thr Pro Ala Trp  
1 5

<210> 341

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 341

Ala Ser Phe Asp Leu Leu Ile Trp  
1 5



<210> 342  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 342  
 Arg Met Asn Thr Glu Pro Pro Trp  
   1                  5  
  
 <210> 343  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 343  
 Lys Met Thr Pro Leu Thr Thr Trp  
   1                  5  
  
 <210> 344  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 344  
 Ala Asn Ala Thr Pro Leu Leu Trp  
   1                  5  
  
 <210> 345  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal  
       Trp residue  
  
 <400> 345  
 Thr Ile Trp Pro Pro Pro Val Trp  
   1                  5  
  
 <210> 346  
 <211> 8  
 <212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 346

Gln Thr Lys Val Met Thr Thr Trp  
1 5

<210> 347

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 347

Asn His Ala Val Phe Ala Ser Trp  
1 5

<210> 348

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<220>

<221> VARIANT

<222> 5

<223> Xaa = any amino acid

<400> 348

Leu His Ala Ala Xaa Thr Ser Trp  
1 5

<210> 349

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 349

Thr Trp Gln Pro Tyr Phe His Trp  
1 5

<210> 350

<211> 8

<212> PRT

<213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 350  
 Ala Pro Leu Ala Leu His Ala Trp  
 1 5

<210> 351  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 351  
 Thr Ala His Asp Leu Thr Val Trp  
 1 5

<210> 352  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 352  
 Asn Met Thr Asn Met Leu Thr Trp  
 1 5

<210> 353  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 353  
 Gly Ser Gly Leu Ser Gln Asp Trp  
 1 5

<210> 354  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 354  
 Thr Pro Ile Lys Thr Ile Tyr Trp  
 1 5

<210> 355  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 355  
 Ser His Leu Tyr Arg Ser Ser Trp  
 1 5

<210> 356  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain with a terminal  
 Trp residue

<400> 356  
 His Gly Gln Ala Trp Gln Phe Trp  
 1 5

<210> 357  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 357  
 Ser Ile Ile Asn Phe Glu Lys Leu  
 1 5

<210> 358  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 358  
 His Trp Asp Phe Ala Trp Pro Trp  
 1 5

<210> 359

<211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain  
  
 <400> 359  
 Asn Leu Leu Arg Leu Thr Gly Trp  
 1 5  
  
 <210> 360  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain  
  
 <400> 360  
 Phe Tyr Gln Leu Ala Leu Thr Trp  
 1 5  
  
 <210> 361  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain  
  
 <400> 361  
 Arg Lys Leu Phe Phe Asn Leu Arg Trp  
 1 5  
  
 <210> 362  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain  
  
 <400> 362  
 Ala Leu Phe Asp Ile Glu Ser Lys Val  
 1 5  
  
 <210> 363  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain  
  
 <400> 363  
 Ile Met Asp Gln Val Pro Phe Ser Val

1

5

<210> 364

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain

<400> 364

Tyr Met Asp Gly Thr Met Ser Gln Val

1

5

<210> 365

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain

<400> 365

Thr Leu Gly Ile Val Cys Pro Ile

1

5

<210> 366

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain

<400> 366

Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr

1

5

10

<210> 367

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Hybrid antigen

<400> 367

Ser Ile Ile Asn Phe Glu Lys Leu Gly Ser Gly Asn Leu Leu Arg Leu

1

5

10

15

Thr Gly Trp

<210> 368

<211> 19

<212> PRT

<213> Artificial Sequence

<220>  
 <223> Hybrid antigen  
  
 <400> 368  
 Ser Ile Ile Asn Phe Glu Lys Leu Gly Ser Gly His Trp Asp Phe Ala  
 1 5 10 15  
 Trp Pro Trp  
  
 <210> 369  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 369  
 Ala Leu Phe Asp Ile Glu Ser Lys Val Gly Ser Gly His Trp Asp Phe  
 1 5 10 15  
 Ala Trp Pro Trp  
 20  
  
 <210> 370  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 370  
 Arg Gly Tyr Val Tyr Gln Gly Leu  
 1 5  
  
 <210> 371  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain  
  
 <400> 371  
 Ile Met Asp Gln Val Pro Phe Ser Val Gly Ser Gly His Trp Asp Phe  
 1 5 10 15  
 Ala Trp Pro Trp  
 20  
  
 <210> 372  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen

<400> 372  
 Ile Met Asp Gln Val Pro Phe Ser Val Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 373  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 373  
 Tyr Met Asp Gly Thr Met Ser Gln Val Gly Ser Gly His Trp Asp Phe  
 1 5 10 15  
 Ala Trp Pro Trp  
 20

<210> 374  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 374  
 His Trp Asp Phe Ala Trp Pro Trp Gly Ser Gly Tyr Met Asp Gly Thr  
 1 5 10 15  
 Met Ser Gln Val  
 20

<210> 375  
 <211> 23  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 375  
 Tyr Met Asp Gly Thr Met Ser Gln Val Gly Ser Gly Gly Ser Gly Asn  
 1 5 10 15  
 Leu Leu Arg Leu Thr Gly Trp  
 20

<210> 376  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen



<400> 376  
 Thr Leu Gly Ile Val Cys Pro Ile Gly Ser Gly His Trp Asp Phe Ala  
 1 5 10 15  
 Trp Pro Trp

<210> 377  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 377  
 Thr Leu Gly Ile Val Cys Pro Ile Gly Ser Gly Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 378  
 <211> 21  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 378  
 Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr Gly Ser Gly His Trp Asp  
 1 5 10 15  
 Phe Ala Trp Pro Trp  
 20

<210> 379  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 379  
 His Trp Asp Phe Ala Trp Pro Trp Gly Ser Gly Ser Ile Ile Asn Phe  
 1 5 10 15  
 Glu Lys Leu

<210> 380  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 380

Ser Ile Ile Asn Phe Glu Lys Leu Gly Ser Gly Asn Leu Leu Arg Leu  
 1 5 10 15  
 Thr Gly Trp

<210> 381  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 381  
 Ser Ile Ile Asn Phe Glu Lys Leu Gly Ser Gly Phe Tyr Gln Leu Ala  
 1 5 10 15  
 Leu Thr Trp

<210> 382  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 382  
 Ser Ile Ile Asn Phe Glu Lys Leu Gly Ser Gly Arg Lys Leu Phe Phe  
 1 5 10 15  
 Asn Leu Arg Trp  
 20

<210> 383  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 383  
 Asn Leu Leu Arg Leu Thr Gly Trp Gly Ser Gly Ser Ile Ile Asn Phe  
 1 5 10 15  
 Glu Lys Leu

<210> 384

<400> 384  
 000

<210> 385

<400> 385  
 000

<210> 386  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain  
  
 <400> 386  
 Asn Leu Leu Arg Leu Thr Gly Trp Gly Ser Gly Arg Gly Tyr Val Tyr  
 1 5 10 15  
 Gln Gly Leu

<210> 387

<400> 387  
 000

<210> 388

<400> 388  
 000

<210> 389

<211> 10  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 389  
 Glu Leu Ala Gly Ile Gly Ile Leu Thr Val  
 1 5 10

<210> 390

<211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 390  
 Ser Leu Leu Met Trp Ile Thr Gln Val  
 1 5

<210> 391

<211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Heat shock protein binding domain

<400> 391

Ser Val Tyr Asp Phe Phe Val Trp Leu  
1 5

<210> 392

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain

<400> 392

Gly Leu Tyr Asp Gly Met Glu His Leu  
1 5

<210> 393

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain

<400> 393

Tyr Leu Glu Pro Gly Pro Val Thr Val  
1 5

<210> 394

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain

<400> 394

Lys Ala Ser Glu Lys Ile Phe Tyr Val  
1 5

<210> 395

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Hybrid antigen

<400> 395

Glu Leu Ala Gly Ile Gly Ile Leu Thr Val Gly Ser Gly Asn Leu Leu  
1 5 10 15  
Arg Leu Thr Gly Trp  
20

<210> 396  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 396  
 Ser Leu Leu Met Trp Ile Thr Gln Val Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 397  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 397  
 Ser Val Tyr Asp Phe Phe Val Trp Leu Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 398  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 398  
 Gly Leu Tyr Asp Gly Met Glu His Leu Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 399  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 399  
 Tyr Leu Glu Pro Gly Pro Val Thr Val Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 400

<211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 400  
 Lys Ala Ser Glu Lys Ile Phe Tyr Val Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 401  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 401  
 Ala Leu Lys His Arg Ala Tyr Glu Leu  
 1 5

<210> 402  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 402  
 Ile Leu Lys Glu Pro Val His Gly Val  
 1 5

<210> 403  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 403  
 Ser Leu Phe Asn Thr Val Ala Thr Leu  
 1 5

<210> 404  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Heat shock protein binding domain

<400> 404  
Val Leu Asp Val Gly Asp Ala Tyr Phe Ser Val  
1 5 10

<210> 405  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain

<400> 405  
Val Ile Tyr Gln Tyr Met Asp Asp Leu  
1 5

<210> 406  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain

<400> 406  
Ser Leu Tyr Asn Thr Val Ala Thr Leu  
1 5

<210> 407  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain

<400> 407  
Ala Ile Ile Arg Ile Leu Gln Gln Leu  
1 5

<210> 408  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Heat shock protein binding domain

<400> 408  
Ala Phe His His Val Ala Arg Glu Leu  
1 5

<210> 409  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 409  
 Ala Leu Lys His Arg Ala Tyr Glu Leu Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 410  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 410  
 Ile Leu Lys Glu Pro Val His Gly Val Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 411  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 411  
 Ser Leu Phe Asn Thr Val Ala Thr Leu Gly Ser Gly Asn Leu Leu Arg  
 1 5 10 15  
 Leu Thr Gly Trp  
 20

<210> 412  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Hybrid antigen

<400> 412  
 Val Leu Asp Val Gly Asp Ala Tyr Phe Ser Val Gly Ser Gly Asn Leu  
 1 5 10 15  
 Leu Arg Leu Thr Gly Trp  
 20

<210> 413  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence



<220>  
 <223> Hybrid antigen  
  
 <400> 413  
 Val Ile Tyr Gln Tyr Met Asp Asp Leu Gly Ser Gly Asn Leu Leu Arg  
   1                  5                  10                  15  
 Leu Thr Gly Trp  
                   20  
  
 <210> 414  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 414  
 Ser Leu Tyr Asn Thr Val Ala Thr Leu Gly Ser Gly Asn Leu Leu Arg  
   1                  5                  10                  15  
 Leu Thr Gly Trp  
                   20  
  
 <210> 415  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 415  
 Ala Ile Ile Arg Ile Leu Gln Gln Leu Gly Ser Gly Asn Leu Leu Arg  
   1                  5                  10                  15  
 Leu Thr Gly Trp  
                   20  
  
 <210> 416  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Hybrid antigen  
  
 <400> 416  
 Ala Phe His His Val Ala Arg Glu Leu Gly Ser Gly Asn Leu Leu Arg  
   1                  5                  10                  15  
 Leu Thr Gly Trp  
                   20  
  
 <210> 417  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Heat shock protein binding domain with a terminal

Trp residue

<400> 417

Asn Leu Leu Arg Leu Thr Gly Trp  
1 5

<210> 418

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 418

Phe Tyr Gln Leu Ala Leu Tyr Trp  
1 5

<210> 419

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Heat shock protein binding domain with a terminal  
Trp residue

<400> 419

Arg Lys Leu Phe Phe Asn Leu Arg Trp  
1 5